

WJHTC SECTION 01 11 00
GENERAL PARAGRAPHS

PART 1 - GENERAL

1.1 GENERAL INTENTION AND DESCRIPTION OF WORK

It is the declared and acknowledged intention and meaning to provide and secure all material, labor, equipment, and supervision necessary to install of 110 feet of 10' high poly coated chain link fence, 710 feet of 7' high galvanized chain link fence, two single leaf 20' wide cantilever slide gates, one double leaf cantilever slide gate each leaf being 16' for total gate opening of 32', and a 135' long DGA access road at Transportation Security Laboratories SAFECON Facility in Parking Lot G, at the Federal Aviation Administration, William J. Hughes Technical Center (FAATC) and incidental related work. Exact location as shown and located on the plans.

Work includes, but is not limited to: Brush clearing, Grubbing, Removal of 3" thick existing pavement, Excavation and Backfill, Stormwater piping, Grading of roadway and building site, Providing and shaping base material for roadway and building site, Compaction, Resurfacing parking lot area with 3" of new I-5 Bituminous Concrete, Grading and Seeding. Also included in the work is the installation of new electrical utility facilities and equipment including, but not limited to: concrete encased ductbanks, manhole and handholes, medium voltage cabling, pad mounted transformer, and secondary voltage outdoor panelboards and incidentals.

The work site is at the Federal Aviation Administration's William J. Hughes Technical Center (WJHTC), Atlantic City International Airport, NJ. The work shall be performed in accordance with the Contract Drawings entitled "Site and Utility Modifications, Temporary Break Baggage Facility" and "SAFECON Crane Installation Install fence" and these specifications, complete and ready for use.

1.2 GENERAL CONDITIONS

1.2.1 Occupancy

The area in which the work is to be performed is at the WJHTC along a portion of Amelia Earhart Boulevard leading to the Technical and Administration Building. Amelia Earhart Blvd is the WJHTC main access road and is very busy at times. Amelia Earhart Blvd will be occupied by FAA personnel throughout the duration to the project. Employees and visitors will need access along Amelia Earhart Blvd at all times. Contractor will have to provide traffic control and barricades (barrels, cones, sawhorses, or other traffic control devices with reflective material). Accordingly, the Contractor must arrange his work so minimize disruption to traffic flow and WJHTC access to the main building and employee parking lots.

1.2.2 FAA Safety Standards

All Federal, State and FAA Safety Standards shall apply during the performance of this project.

1.3 SUBMITTALS

Certain submittals must be received by the WJHTC reviewed and approved before the Notice to Proceed is issued. (Additional submittals are

described elsewhere in the contract specifications for submission during the course of the contract.):

1.3.1 Technical Submittal Received at Preconstruction Meeting

None.

1.4 QUALITY ASSURANCE

1.4.1 Superintendence by the Contractor

At all times during the performance of this contract the Contractor shall directly superintend the work, supplemented by support staff if needed, for quality control monitoring and testing, safety monitoring, and to otherwise ensure the requirements of this contract are met.

1.5 JOB CONDITIONS

1.5.1 Safety Requirements

The Contractor shall comply with all fire, safety, and security regulations in effect, including those published by OSHA (namely 29 CFR 1926). In the event of a mishap or accident, the Contractor shall immediately notify the Contracting Officer, the FAA Safety Officer, and the Resident Engineer, and complete FAA Form 3900-6 within 24 hours of the mishap or accident.

1.5.3 Workmanship

All work under this contract shall be performed in a skillful and workmanlike manner. The Contracting Officer may require, in writing, that the Contractor remove from the work any employee the Contracting Officer deems incompetent, careless, or otherwise objectionable.

1.5.6 Layout of Work

The Contractor shall lay out its work from FAA-established base lines and bench marks indicated on the drawings and shall be responsible for the execution of the work to the lines and grades that are indicated or otherwise established. The Contractor shall provide, at its own expense, all stakes, templates, tools, equipment, and labor required to lay out the work. The Contractor shall be responsible to maintain and preserve all stakes and other marks established by the Contracting Officer until authorized to remove them.

1.5.7 EXISTING WORK

In addition to Contract Clause 3.2.2.3-49, "Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements":

- a. Remove or alter existing work in such a manner as to prevent injury or damage to any portions of the existing work which remain.
- b. Repair or replace portions of existing work which have been altered during construction operations to match existing or adjoining work, as approved by the Contracting Officer. At the completion of operations, existing work shall be in a condition equal to or better than that which existed before new work started.

1.5.8 LOCATION OF UNDERGROUND FACILITIES

Obtain digging permits prior to start of excavation by contacting the Contracting Officer 14 calendar days in advance. Scan the construction site with electromagnetic or sonic equipment, and mark the surface of the ground where existing underground utilities are discovered.

Verify the elevations of existing piping, utilities, and any type of underground obstruction not indicated or specified to be removed but indicated or discovered during scanning in locations to be traversed by piping, ducts, and other work to be installed. Verify elevations before installing new work closer than nearest manhole or other structure at which an adjustment in grade can be made

1.5.8.1 Notification Prior to Excavation

Notify the Contracting Officer at least 48 hours prior to starting excavation work.

1.6 WARRANTY

The Contractor warrants for a period of three (3) years from the date of FAA acceptance that work performed under this contract conforms to the contract requirements and is free of any defect in equipment, material, or design furnished, or workmanship performed by the Contractor or any subcontractor or supplier at any tier. The Contractor warrants materials against failures resulting from normal exposure, but excluding failures due to unusual weather phenomena, failure of substrate, fire, abuse by unusual traffic, or other abnormal activities. The Contractor shall remedy at the Contractor's expense any failure or defect. This warranty shall be in addition to, and not a limitation of, other rights the FAA may have against the Contractor for latent defects, gross mistakes, or fraud.

The Contracting Officer will notify the Contractor, in writing, within a reasonable time after the discovery of any failure, defect, or damage. If the Contractor fails to remedy any failure, defect, or damage within a reasonable time after receipt of his notice, the FAA will have the right to replace, repair, or otherwise remedy the failure, defect, or damage at the Contractor's expense.

1.7 CLOSEOUT PROCEDURES

1.7.1 SUBMITTALS

Submit the following in accordance with Section 01 33 00, "Submittal Procedures."

1.7.1.1 SD-18 Records As-built drawings G

In addition to as-built drawings provide for each exterior utility system a set of reproducible utility drawings, stamped and signed by a registered professional civil engineer or professional land surveyor, and two copies.

Submit within ten working days after each system is in place, but no later than five working days before final inspection. Indicate exterior utilities from a point five feet from a building to the termination point or point of connection to existing system.

Include the following:

- a. Horizontal and vertical controls for new utilities and existing utilities exposed during construction. Reference to existing horizontal and vertical control system.

b.Sufficient dimensional control for all important features such as beginning and termination points, points of connection, inverts for sewer lines and drainage collection systems, top of pipe or conduit runs, manholes, cathodic protection appurtenances, valves, valve stem tops, backflow preventers, and other significant features.

c.Indicate type and size of all materials used in the construction of the system.

d.Indicate bearing and distance on tangent lines. On curves, indicate delta and radius of the curve, also provide X, Y, and Z coordinates at all BC and EC angle points. Indicate horizontal and vertical control for all intersecting and tangent points where utility alignment changes. Indicate X, Y, and Z coordinates at building line and point of connection for straight building laterals or services under 40 feet.

e.Tolerances: Horizontal and vertical control dimensions, plus or minus 0.10 foot. Angular control, plus or minus 0 degrees 01 minute.

1.7.1.2 SD-19 Operation and Maintenance Manuals

a.Equipment/product warranty list Submit Data Package 1 in accordance with Section 01781, "Operation and Maintenance Data."

1.7.2 PROJECT RECORD DOCUMENTS

1.7.2.1 As-Built Drawings

In addition to the requirements of FAA Contract Clause 3.2.2.3-60, entitled Specifications, Drawings, and Material Submittals, the Contractor shall survey the horizontal and vertical location of all underground utilities to within 0.1 feet relative to the station datum. All pipe utilities shall be surveyed at each fitting and every 100 LF of run length. Electrical and communication ductbank, direct buried conduit, and direct buried conductor shall be surveyed every 100 LF and at each change of direction. Locations and elevations shall be recorded on the Record Drawings. Submit drawings with QC certification. Submit drawings in CAD format.

1.7.2.2 As-Built Record of Materials

Furnish a record of materials. Where several manufacturers' brands, types, or classes of the item listed have been used in the project, designate specific areas where each item was used. Designations shall be keyed to the areas and spaces depicted on the contract drawing. Furnish the record of materials used in the following format:

MATERIAL SPECIFICATIONS	MANUFACTURER	MATERIALS USED	MANUFACTURER'S DESIGNATION	WHERE USED

1.3 EQUIPMENT/PRODUCT WARRANTIES

1.7.3.1 Equipment/Product Warranty List

Furnish to the Contracting Officer a bound and indexed notebook containing written warranties for equipment/products furnished under the contract, and prepare a complete listing of such equipment/products. The equipment/products list shall state the specification section applicable to the equipment/product, duration of the warranty therefor, start date of the

warranty, ending date of the warranty, and the point of contact for fulfillment of the warranty. The warranty period shall begin on the same date as project acceptance and shall continue for the full product warranty period. Execute the full list and deliver to the Contracting Officer prior to final acceptance of the facility.

1.7.3.2 Equipment Warranty Tags and Guarantor's Local Representative

Furnish with each warranty the name, address, and telephone number of the guarantor's representative nearest to the location where the equipment and appliances are installed. The guarantor's representative, upon request of the station representative, shall honor the warranty during the warranty period, and shall provide the services prescribed by the terms of the warranty. At the time of installation, tag each item of warranted equipment with a durable, oil- and water-resistant tag approved by the Contracting Officer. Attach tag with copper wire and spray with a clear silicone waterproof coating. Leave the date of acceptance blank until project is accepted for beneficial occupancy. Tag shall show the following information:

EQUIPMENT/PRODUCT WARRANTY TAG

Type of Equipment/Product _____

Warranty Period _____ From _____ To _____

Contract No. _____

Inspector's Signature _____ Date Accepted _____

Construction Contractor:

Name: _____

Address: _____

Telephone: _____

Warranty Contact: _____

Name: _____

Address: _____

Telephone: _____

STATION PERSONNEL TO PERFORM ONLY OPERATIONAL MAINTENANCE

1.7.4 CLEANUP

Leave premises "broom clean." Clean interior and exterior glass surfaces exposed to view; remove temporary labels, stains and foreign substances; polish transparent and glossy surfaces; vacuum carpeted and soft surfaces. Clean equipment and fixtures to a sanitary condition. [Clean] [Replace] filters of operating equipment. Clean debris from roofs, gutters, downspouts and drainage systems. Sweep paved areas and rake clean landscaped areas. Remove waste and surplus materials, rubbish and construction facilities from the site.

PART 2 - PRODUCTS

Not Used in this Section

PART 3 - EXECUTION

3.1 ENVIRONMENTAL

The Contractor shall provide storm water management controls prior to any construction. This will include placing filter fabric over catch basins with hay bales around the catch basins and silt fence where designated by the plans. During the course of the project the contractor shall maintain the environmental measures. At the completion of the project the environmental measures shall be removed and the captured soils removed.

3.2 TRAFFIC CONTROL

The Contractor shall notify the WJHTC in writing a minimum of three (3), working days before work begins. The contractor shall install traffic control measures before work begins. The work is located in Parking Lot G. Part of Parking Lot G is already closed off with temporary fencing. The contractor shall relocate the fence outside the location of the permanent fence as needed. The contractor shall provide (furnish and install) the traffic control devices as required. The Parking Lot G is busy with traffic from Tuesday through Thursday, especially during the times of 9:00am to 5:00pm. Traffic is minimum during Friday through Monday. The WJHTC shall have access at all times to the portion of Parking Lot G that is not closed off to them.

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